

IN THE CLAIMS

1. cancelled
2. cancelled
3. (currently amended) An adenovirus comprising an inserted expression cassette comprising a promoter sequence, a coding sequence of a gene, and a transcription termination site, and site-specific recombinase target sites positioned to remove or invert a portion of the expression cassette operably linked to the gene, whereby recombination between said target sites mediated by a site-specific recombinase alters expression of the [[a]] coding sequence of the gene.
4. (currently amended) An adenovirus comprising an inserted expression cassette comprising a promoter sequence, a coding sequence of a gene, and a transcription termination site, and site-specific recombinase target sites flanking the [[a]] promoter sequence of said expression cassette that promotes expression of the gene, whereby recombination between said target sites mediated by a site-specific recombinase removes the promoter sequence, resulting in decreased expression of the [[a]] coding sequence of the gene.
5. (currently amended) The adenovirus of claim 4, wherein the coding sequence of the gene is from a non-adenoviral source.
6. (currently amended) An adenovirus comprising an inserted expression cassette comprising a promoter sequence, a coding sequence of a gene, and a transcription termination site, the [[a]] promoter sequence directed away from said gene, and two site-specific recombinase target sites flanking said promoter sequence but oriented in opposite orientation to one another, whereby recombination between said target sites mediated by a site-specific recombinase inverts the promoter sequence, resulting in increased expression of the [[a]] coding sequence of the gene.
7. (currently amended) The adenovirus of claim 6, wherein the coding sequence of the gene is from a non-adenoviral source.

8. (currently amended) An adenovirus comprising an inserted expression cassette comprising a promoter sequence, a coding sequence of a gene, a DNA spacer sequence located between the promoter sequence and the coding sequence, and a transcription termination site, and site-specific recombinase target sites flanking the [[a]] DNA spacer sequence located between a promoter sequence of said expression cassette and a coding sequence of the gene, whereby recombination between said target sites mediated by a site-specific recombinase removes the DNA spacer sequence, resulting in increased expression of the coding sequence of the gene.
9. (currently amended) The adenovirus of claim 8, wherein the coding sequence of the gene is from a non-adenoviral source.
10. (currently amended) An adenovirus comprising an inserted expression cassette comprising a promoter sequence, a coding sequence of a gene, and a transcription termination site, and site-specific recombinase target sites flanking the [[a]] coding sequence of the gene, whereby recombination between said target sites mediated by a site-specific recombinase removes the coding sequence, resulting in decreased expression of the coding sequence the gene.
11. (currently amended) The adenovirus of claim 10, wherein the coding sequence of the gene is from a non-adenoviral source.
12. (currently amended) An adenovirus comprising an inserted expression cassette comprising a promoter sequence, a coding sequence of a gene, and a transcription termination site, a portion of said expression cassette comprising the [[a]] coding sequence oriented in an opposite direction to normal translation of the coding sequence of the gene, and two site-specific recombinase target sites flanking said coding sequence but oriented in opposite orientation to one another, whereby recombination between said target sites mediated by a site-specific recombinase inverts the coding sequence, resulting in increased expression of the coding sequence the gene.
13. (currently amended) The adenovirus of claim 12, wherein the coding sequence of the gene is from a non-adenoviral source.

14. (currently amended) An adenovirus comprising a promoter sequence, a coding sequence of a gene, a transcription termination site, and site-specific recombinase target sites flanking the coding sequence of the gene, whereby recombination between said target sites mediated by site-specific recombinase removes the coding sequence of the gene, resulting in decreased expression of the gene.

15. (currently amended) The adenovirus of claim 14, wherein the coding sequence of the gene is from a non-adenoviral source.

16. (currently amended) An adenovirus comprising a promoter sequence, a coding sequence of a gene, and a transcription termination site, said coding sequence of the gene oriented in an opposite direction to normal translation of the gene, and two site-specific recombinase target sites flanking said coding sequence of the gene but oriented in opposite orientation to one another, whereby recombination between said target sites mediated by a site-specific recombinase inverts the gene, resulting in increased expression of the coding sequence of the gene.

17. (currently amended) The adenovirus of claim 16, wherein the coding sequence of the gene is from a non-adenoviral source.